

What is claimed is:

1 A mobile communication terminal, wherein a battery is used as a power source, comprising:

5 a detector for detecting the voltage of the battery acting as a power source;

decision means for deciding a difference relationship between a voltage level detected by the detector and a prescribed value;

10 a transmission reservation controller for storing transmission data as transmission-reserved data into a storage, without starting the transmission operation, when the decision means decides that the detected voltage level is less than the prescribed value, in response to a data transmission request, and thus maintaining its wait state; and

15 a reserved-data transmission controller for radio-transmitting the transmission-reserved data to be stored in the storage when the decision means decides that the 20 detected voltage level exceeds said prescribed value after maintenance of the wait state.

25 2 The mobile communication terminal defined in Claim 1, wherein the transmission data comprises electronic mail data created in the wait state.

3 The mobile communication terminal defined in Claim 2,
further comprising an electronic mail data storage for
temporarily storing the created electronic mail data in
5 the storage to wait decision results by the decision means
in advance of transmission.

4 A mobile communication terminal, wherein a battery is
used as a power source, comprising:

a detector for detecting the voltage of the battery
acting as a power source;

decision means for deciding a difference relationship
between a voltage level detected by the detector and a
prescribed value;

15 a transmission reservation controller for ceasing the
transmission operation, when the decision means decides
that the detected voltage level is less than the
prescribed value, during radio transmission of
transmission data, storing the transmission data as
20 transmission-reserved data into a storage, and then
changing the mobile communication terminal to a wait
state; and

25 a re-transmission controller for radio-transmitting
again the transmission-reserved data to be stored in the
storage when the decision means decides that the detected

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voltage level exceeds the prescribed value after a change to the wait state.

5 5 The mobile communication terminal defined in Claim 4, wherein the transmission data comprises electronic mail data created in the wait state.

10 6 The mobile communication terminal defined in Claim 5, further comprising an electronic mail data storage for temporarily storing the created electronic mail data in said storage to wait decision results by the decision means in advance of transmission.

15 7 A data transmission method suitable for a mobile communication terminal which uses a battery as a power source, comprising the steps of:

detecting the voltage of the battery acting as a power source;

deciding a difference relationship between a voltage level detected in the detecting step and a prescribed value;

20 storing transmission data as transmission-reserved data into a storage, without starting the transmission operation, when it is decided in the deciding step that 25 the detected voltage level is less than the prescribed

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value, in response to a data transmission request, and
then maintaining its wait state; and

radio-transmitting the transmission-reserved data to be
stored in the storage when it is decided in the deciding
step that the detected voltage level exceeds the
prescribed value after maintenance of the wait state.

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10 8 The data transmission method defined in Claim 7,
further comprising the step of charging said battery after
maintenance of the wait state.

15 9 The data transmission method defined in Claim 7,
further comprising the step of replacing said battery for
a new one after maintenance of the wait state.

10 10 The data transmission method defined in aims 7,
further comprising the step of creating electronic mail
data as said transmission data in the wait state.

20 11 The data transmission method defined in Claim 10,
further comprising the step of temporarily storing said
created electronic mail data into the storage to wait
decision results in the deciding step in advance of
transmission.

12 A data transmission method suitable for a mobile communication terminal which uses a battery acting as a power source, comprising the steps of:

5 detecting the voltage of the battery acting as a power source;

deciding a difference relationship between a voltage level detected by the detector and a prescribed value;

10 ceasing the transmission operation when it is decided in the detecting step that the detected voltage level is less than the prescribed value, during radio transmission of transmission data, storing the transmission data as transmission-reserved data into a storage, and thus changing the mobile communication terminal to a wait state; and

15 radio-transmitting again the transmission-reserved data to be stored in the storage when it is decided in the deciding step that the detected voltage level exceeds the prescribed value after a change to the wait state.

20 13 The data transmission method defined in Claim 12, further comprising the step of charging said battery after a change to said wait state.

25 14 The data transmission method defined in Claim 12, further comprising the step of replacing said battery for

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a new one after a change to said wait state.

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15 The data transmission method defined in Claims 12,
further comprising the step of creating electronic mail
data as said transmission data in the wait state.

10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95
16 The data transmission method defined in Claim 15,
further comprising the step of temporarily storing said
created electronic mail data into the storage to wait
decision results in the deciding step in advance of
transmission.